

# Cylindrical roller bearings

## NN3018-AS-K-M-SP (Series NN30..-AS-K-M-SP)

main dimensions to DIN 5412-4, non-locating bearing,  
double row, with tapered bore, taper 1:12, separable, with  
cage, reduced radial internal clearance, restricted  
tolerances

The datasheet is only an overview of dimensions and basic load ratings of the selected product. Please always observe all the guidelines in these overview pages. Further information is given on many products under the menu item "Description". You can also order comprehensive information via the Catalogue selection system (<http://www.fag.de/content.fag.de/en/mediathek/library/library.jsp>) or by telephone on +49 (91 32) 82 - 28 97.

|                       |                                                          |
|-----------------------|----------------------------------------------------------|
| d                     | 90 mm                                                    |
| D                     | 140 mm                                                   |
| B                     | 37 mm                                                    |
| d <sub>1</sub>        | 109,4 mm                                                 |
| D <sub>a</sub><br>max | 130 mm Tolerance: H12                                    |
| d <sub>a</sub><br>min | 105 mm Tolerance: h12                                    |
| D <sub>b</sub><br>min | 130 mm                                                   |
| d <sub>s</sub>        | 3,2 mm                                                   |
| E                     | 127 mm                                                   |
| n <sub>s</sub>        | 6,5 mm                                                   |
| r <sub>a</sub><br>max | 1,5 mm                                                   |
| r <sub>min</sub>      | 1,5 mm                                                   |
| s                     | 2,6 mm Axial displacement facility from central position |
| m                     | 2,05 kg Mass                                             |
| C <sub>r</sub>        | 141000 N Basic dynamic load rating, radial               |
| C <sub>0r</sub>       | 225000 N Basic static load rating, radial                |

|                 |            |                                                     |
|-----------------|------------|-----------------------------------------------------|
| n <sub>G</sub>  | 6100 1/min | Limiting speed for grease lubrication               |
| Fett            |            |                                                     |
| n <sub>G</sub>  | 7100 1/min | Limiting speed for minimal quantity oil lubrication |
| Öl              |            |                                                     |
| C <sub>ur</sub> | 28000 N    | Fatigue limit load, radial                          |
| C <sub>rL</sub> | 2020       | spring stiffness, radial                            |



